

520.42989X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: T. SHIROGANE, et al

Serial No.: 10/629,813

Filed: July 30, 2003

For: STORAGE SYSTEM

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 5, 2004

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

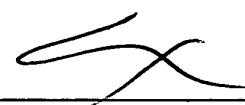
This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (520.42989X00) please credit any excess fees to such deposit account.

Respectfully submitted,



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CIB/jdc  
(703) 312-6600

**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
Office

ATTY. DOCKET NO.

SERIAL NO.

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10/629,813

APPLICANT  
**T. SHIROGANE, et al**

FILING DATE  
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GROUP

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

O I P E  
JCB  
AUG 05 2004  
U.S. PATENT AND TRADEMARK OFFICE

**U.S. PATENT DOCUMENTS**

EXAMINER TRADEMARK OFFICE	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5	3	3	7	4	1	4	8/94		Hashemi et al				
	5	4	5	0	5	4	8	9/95	Matsushima					
	5	8	3	8	8	9	1	11/98	Mizuno et al					
	6	0	0	9	5	3	5	12/99	Halligan et al					
	6	0	3	2	1	8	0	2/00	Nishikawa					
	6	2	3	7	0	5	2	5/01	Stolowitz					
	6	6	0	6	6	9	0	8/03	Padovano					
	6	7	0	1	4	5	6	3/04	Biessener					
2002	0	1	1	2	1	3	4	8/02	Ohran et al					
2003	2	0	0	9	7	6	0	7	5/03	Bessire				
2003	2	0	1	0	5	7	6	7	6/03	Sonoda et al				

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		YES	NO												
2001	2	8	6	1	5	3				3/01	Japan				
	4	2	3	3	0	2	5			8/92	Japan				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449** U.S. Department of  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2003	0	1	0	5	9	2	1		6/03	Tomita				
2003	0	1	2	6	5	2	2		7/03	English et al				
2003	0	1	7	7	1	7	4		9/03	Allen et al				
2003	0	1	8	2	6	1	0		9/03	Bushmitch et al				
2003	0	2	2	6	0	9	2		12/03	Kim et al				

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														YES	NO	
2001	8	6	1	5	3				3/01	Japan						

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(Use several sheets if necessary)		FILING DATE  <b>July 30, 2003</b>
		GROUP

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

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